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DESCRIPTORS: Water, *Pumps, Starting, *Gate
valves, *Check valves, Valves.

Considerations show that for pumping stations of water-
supply systems equipped with several pumps, working
in parallel and supplying water directly to consumers
or regulating storages of small volume, it may be in-
expedient to dispense with check valves in a number of
cases. For such stations, it is better to provide check
(Engineering--Sanitation, TT, v. 6, no. 3) (over)

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Nikomarov, G. M.
ON THE PROVISION OF CHECK VALVES AFTER
PUMPS (Ob ustanozhke Obratnykh Klapanov Posle
Nasosov). [1961] [6]. [DSIR L.L.U. M.2971.
Order from OTS or SLA/S1.10 61-23361

Trans. of Vysoshchnye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 4-5.

DESCRIPTORS: *Check valves, *Pumps, Effectiveness.

Experience suggests that it is to dispense with check
valves, either immediately after the pumps or in the
adjacent sections of delivery pipes for all pumping
stations which have a reception reservoir or chamber
with reliable overflow device.

Office of Technical Services

(Engineering--Civil, IT, v. 6, no. 3)

61-23360

Talashchenko, A. F.
STARTING OF CENTRIFUGAL PUMPS WITH OPEN
GATE VALVE IN THE DELIVERY LINE (Pusk
Tsentrobezhnykh Nasosov pri Otkrytoy Zadvizhke na
Napornoy Linii), [1961] [C]p. 2 refs. [DSIR LLU]
M. 2972.

Order from OTS or SLA \$1.10

61-23360

Trans. of Vodostazheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 5-6.

DESCRIPTORS: *Centrifugal pumps. Operation. Gate
valves. Hydraulic valves.

Since the starting of a pump with the gate valve open
considerably simplifies the automation scheme of
pumping stations, and to some extent simplifies and
cheapens the equipment, it should be more widely
adopted in water supply systems, and this should be
borne in mind in the revision of current standards and
technical conditions for the design of water supply
systems. (Author)

I. Talashchenko, A. F.
II. DSIR LLU M. 2972

175873

Office of Technical Services

(Engineering--Mechanical, TL,
v. 6, no. 3)

61-23359

Timofeyeva, Ye. T.
OPERATION OF CHECK VALVES ON SWITCHING
OFF THE PUMPS (Rabota Obratnykh Klapinov pri
Vyklyucheni Nasosov). [1961] [14]p. 1 ref. [DSIR LLU
M 2973.
Order from OTS or SLA \$1.60

61-23359

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 6-11.

DESCRIPTORS: Water. Pumps. *Check valves,
Operation.

The data provided show that to make possible the start-
ing of a pump with the gate valve open, it is necessary
to examine the closure condition of the check valve and
to choose a design of check valve with this in mind, re-
sorting in unavoidable cases to the provision of a by-
pass line for the valve, as has been done at the Stalin
station of the Moscow waterworks.
(Engineering-Sanitation, TT, v. 6, no. 3)

I. Timofeyeva, Ye. T.
II. DSIR LLU M. 2973

175873

Office of Technical Services

Karavayev, Yu. I.
HYDRAULIC RESISTANCE OF EXPANSION JOINTS
(O Gidravlicheskom Soprotivlenii Kompensatorov).
[1961] [4p.] [DSIR L.LU] M. 2974.
Order from OTS or SLA \$1.10

61-23358

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 11

DESCRIPTORS: *Expansion joints. Tests. Hydraulic
couplings

Experimental values are tabulated for the rates of
flow, the loss of head (pressure), and the coefficient
of local resistance in one-sided gland type joints in
600-mm diam pipe lines.

(Engineering--Mechanical, TT, v. 6, no. 3)

61-23358

I. Karavayev, Yu. I.
II. DSIR L.LU M. 2974

173371

Office of Technical Services

Yakovlev, S. V. and Galanin, P. I.
INVESTIGATION OF THE OPERATION OF A BIO-
COAGULATOR ON SLUDGE FROM BIOFILTERS
(Issledovaniye Raboty Biokoagulyatora na Ile Posle
Biofiltrov). [1961] [8]p. [DSIR LLU] M 2975.
Order from OTS or SLA \$1.10 61-23357

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 11-13.

DESCRIPTORS: *Sewage, *Sanitary engineering,
*Sedimentation, *Coagulation, *Blowers, *Water
filters, Tests

(Engineering-Sanitation, TT, v. 6, no. 4)

61-23357

1. Title: Sludge
2. Title: Biocoagulator
3. Title: Biofilter
- I. Yakovlev, S. V.
- II. Galanin, P. I.
- III. DSIR LLU M. 2975

177717

Office of Technical Services

61-23356

Ozherel'eva, M. N.
PURIFICATION OF WASTE WATER FROM A WOOL
SCOURING WORKS (Ochistka Stochnykh vod Fabrike
Pervichnoy Obrabotki Shershti). [1961] [6]p. 1 ref.
[DSIR LLU] M 2976.
Order from OTS or SLA \$1.10

61-23356

Trans. of Vsesoyuznyi i Spetsialnaya Tekhnika
(USSR) 1959, no. 12, p. 14-15.

DESCRIPTORS: Purification, Water supplies, Sanitary
engineering, *Chemical waste, *Woolen textiles
*Textile industry.

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Office of Technical Services

(Engineering--Sanitation, TT, v. 6, no. 3)

61-23354

Parforovskii, B. S.
FULL-SCALE INVESTIGATIONS OF WATER-COOL-
ING RESERVOIRS (Naturaenyie Issledovaniya Prudov-
Okhladiteley). [1961] [11 p. [DSIR LLU] M 2978.
Order from OTS or SLA \$1.60 61-23354

Trans. of Vsesoyuzhnyiye i Sankarnaya Tekhnika
(USSR) 1959, no. 12, p. 19-22.

DESCRIPTORS: *Water supplies, Cooling, Electric
power production, Power plants, Wind, Temperature,
Heat transfer.

Investigations of water-cooling reservoirs of large
size, characteristic of large electric power stations,
have shown the considerable influence of the wind both
on the movement of the transit stream and on the dis-
tribution of the temperatures of the water. At high
wind speeds, equalization of the temperature was ob-
served over the area of the reservoir and in the verti-
cal direction. Due to the mixing of the water of the
(Engineering-Mechanical, TT, v. 6, no. 3) (over)

I. Parforovskii, B. S.
II. DSIR LLU M. 2978

175365

Office of Technical Services

61-23355

I. Sakun, A. N.
II. DSIR LLU M. 2977

177716

Office of Technical Services

Sakun, A. N.
EXAMPLES OF REDUCING THE CONSTRUCTIONAL
COSTS OF SEWERAGE AND WATER-SUPPLY IN-
STALLATIONS IN THE PLANNING PRACTICE OF
THE UKRGIPROPRON (Primery Susheniya Stoinosti
Stroitel'stva Kamal'tzatsionnykh i Vodoprovodnykh
Sooruzhenii v Praktike Proektirovaniia Ukgiproprodn).
[1961] [13] p. 1 ref. [DSIR LLU] M 2977.
Order from OTS or SLA \$1.60

61-23355

Trans. of Vodosnabzheniie i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 15-18.

DESCRIPTORS: *Sewage. *Sanitary engineering.
*Water supplies, Construction, Costs, USSR.

(Engineering--Civil, TT, v. 6, no. 4)

Yakimov, L. K.
NEW THERMAL INSULATION MATERIALS FOR
UNDERGROUND HOT-WATER PIPES (Novyye
Teploizolyatsionnyye Materialy dlya Podzemnykh
Teploprovodov). 1961 [13]p. [DSIR LLU] M 2979.
Order from OTS or SLA \$1.60 61-23353

Trans. of Vsesoyuznyiye i Sanktarnaya Tekhnika
(USSR) 1959, no. 12, p. 22-23.

DESCRIPTORS: *Thermal insulation, *Insulating
materials, Tests, *Pipes, Heating, Moisture,
Thermocouples, Conductivity, Density.

Insulation materials were examined that were made
according to asphalt technology from petroleum
bitumen and powders of different materials: from
electrofilters, peat ash, clay and lime.

(Materials, TI, v. 6, no. 4)

61-23353

L. Yakimov, L. K.
IL DSIR LLU M 2979

177713

Office of Technical Services

61-23352

Babel', Ye. G.
LAYING OF PIPING WITHOUT CONDUITS FOR DIS-
TRICT HEATING NETWORKS (K Voprosu o Bezkanal'-
noy Nopkladke Teplovoykh Setey). [1961] [5]p.
[DSIR/LLU] M.2980
Order from OTS or SLA \$1.10

61-23352

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 26.

DESCRIPTORS: Heating plants. *Pipes. Installation,
Pipe fittings.

Advantages and disadvantages are summarized of the
method proposed by B. V. Lopatyn and A. A. Lyamin
(Vodosnabzheniye i Sanitarnaya Tekhnika 1958, no. 12)
for laying pipes in a sand-cement mixture.

(Engineering--Sanitation, TT, v. 6, no. 3)

I. Babel', Ye. G.
II. DSIR LLU M.2980

175365

Office of Technical Services

61-23351

Glushkov, L. A.
AIR SUPPLY INSTALLATION WITH COOLING OF
THE AIR (Prilichnaya Ustanovka s Okhlazhdeniyem
Vozdukh). [1961] [7]p. [DSIR LLU] M 2981.
Order from OTS or SLA \$1.10 61-23351

I. Glushkov, L. A.
II. DSIR LLU M. 2981

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 27-28.

DESCRIPTORS: Industrial plants, Cooling, *Refrigera-
tion systems, Effectiveness.

175367

Office of Technical Services

(Engineering--Mechanical, TT, v. 6, no. 3)

CHANGES IN STANDARDS (ACCORDING TO "INFOR-
MATIONNY YKAZATEL' STANDARTOV", NO. 6, 1959)
(Izmeneniya v Standartakh po "Informatsionnomu
Ykazatelyu Standartov", no. 6, 1959) [1961] [5]p.
[DSIR LLU] M 2982.
Order from OTS or SLA \$1.10

61-23350

Trans. of Vodosnabzhenie i Sanitarnaya Tekhnika (USSR)
1959, no. 12, p. 28-29

DESCRIPTORS: Pipes, Standards, USSR

(Engineering--Mechanical, TT, v. 6, no. 6)

61-23350

L DSIR LLU M 2982

176051

Office of Technical Services

61-23349

Kalyashin, N. V.
PREVENTION OF BOILER ACCIDENTS IN BOILER
HEATING INSTALLATIONS (Preduprezhdeniye Avari
v Otopitel'nykh Kotel'nykh). [1961][10]p. [DSIR LLU]
M 2983.

Order from OTS or SLA 51.10

61-23349

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 29-31.

DESCRIPTORS: *Boilers, *Accidents, Operation,
*Safety, *Safety devices.

A few typical cases of accidents are described. (See
also 61-23348)

(Engineering--Safety, IT, v. 6, no. 3)

I. Kalyashin, N. V.
II. DSIR LLU M.2983

175360

Office of Technical Services

Natkovich, M. A.
LIMITING THE HOT-WATER TEMPERATURE IN
"ENERGIYA" STEAM WATER-HEATERS (Ob
Organicheniy Temperatury Nagreva Vody v
Parovodnagrevatel'nykh "Energiya"). [1961] [7]p.
[DSIR LLU M 2984]
Order from OTS or SLA \$1.10

61-23348

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 31-32.

DESCRIPTORS: •Water, •Temperature control,
•Boilers.

The article was published to draw attention to serious
short-comings in the operation of boilers and steam
water-heaters working at low pressures in the USSR.
(See also 61-23349)

(Engineering--Mechanical, TT, v. 6, no. 3)

61-23348

I. Natkovich, M. A.
II. DSIR LLU M. 2984

175365

Office of Technical Services

61-23347

Bulygin, P. M.

DEVICE FOR ASSEMBLING ASBESTOS-CEMENT

PIPES (Prisposobleniye dlya Montazha Asbestotsément-

nykh Trub) [1961] [Slp: [DSIR LLU] M 2985.

Order from OTS or SLA \$1.10

61-23347

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 33.DESCRIPTORS: *Pipes, *Asbestos fiber, *Cements,
*Jacks (Mechanics).

I. Bulygin, P. M.

II. DSIR LLU M. 2985

175361

Office of Technical Services

(Machinery--Manufacturing, TT, v. 6, no. 3)

61-23346

I. Title: Emergency ...
II. DSIR LLJ M.2986

APPLICATION OF HEXAMETAPHOSPHATES IN
WATER PURIFICATION [AND] EMERGENCY WATER
RESERVE FOR FIRE FIGHTING PURPOSES
(O Primenenii Geksametafosfatov dlya Ochistki Vody
[and] O Neprikosnoyemnom Pozharnom Zapase Vody).
[1961] [5]p. 1 ref. [DSIR LLJ] M 2986.
Order from OTS or SLA \$1.10

61-23346

Trans. of Vodosnabzhenie i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 33-34.

DESCRIPTORS: Water, *Purification, *Phosphates,
Corrosion, *Water supplies, USSR, Fires.

(Engineering--Sanitation, TT, v. 6, no. 10)

Office of Technical Services

007528

61-23345

I. Travin, Ye. G.
II. DSIR LLU M.2987

Travin, Ye. G.
INCREASING THE OUTPUT OF SHAFT WELLS BY
DRIVING RADIAL DRAINS WITHOUT EXCAVATION
(Uvelicheniye Protzvoditel'nosti Shakhtnykh Kolodtsev
Putem Bestransheynoy Prokladki Radial'nykh Dren).
[1961] [9]p. 2 refs. [DSIR LLU] M 2987.
Order from OTS or SLA \$1.10

61-23345

Trans. of Voprosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 34-36.

DESCRIPTORS: *Water Sources, *Sanitary engineering
Drainage.

The method of constructing shaft wells, as carried out
at the Leipzig pumping station of Naunhof (German
Democratic Republic) is described.

Office of Technical Services

(Engineering - Sanitation, TT, v. 6, no. 4)

177714